

CURRICULUM VITAE

Name: **Ms. Bablee Phukan**

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Date of Joining: 24-09-2022.



Academic Qualifications:

Board/University	Level	Percentage (%)	Remarks
Dibrugarh University	MSc (Mathematics,2018)	88	1 st Class 3 rd
Dibrugarh University	BSc (Mathematics,2016)	83.14	1 st Class 2 nd with distinction
CBSE	12 th (2013)	92.8	1 st Div
SEBA	10 th (2011)	82	1 st Div. (Star)

Academic Achievements:

- Pursuing Ph.D. at Dibrugarh University from 2023.
- Completed M. Phil in 2021 from Dibrugarh University.
- Qualified NE-SLET (2021).
- Ranked 1st class 3rd at M.Sc. level from Dibrugarh University 2018.
- Ranked 1st class 2nd at B.Sc. level from Sivasagar College, Sivasagar 2016.

Research Interests: Spectral Graph Theory, Algebraic Graph Theory, Complex Networks.

Workshops (Participation):

- Participated in A One day workshop on “Information Literacy on Academic Integrity and Prevention of Plagiarism”. Organized By DURSA, Dibrugarh University, 2020.
- Participated in online “National Workshop on Analysis and Linear Algebra (NWALA)” organized by the Department of Mathematics, DHSK College during July 23-24, 2020.

Publications:

Journal Articles

- Idweep J. Gogoi, **Bablee Phukan**, Aditya Pegu, and A. Bharali: *On Laplacian Spectra of Some Corona Product Graphs and Applications*, **Advances in Mathematics: Scientific Journal** 10 (2021). (Indexed in SCOPUS)
- **Bablee Phukan**, Idweep J. Gogoi and A. Bharali: *Adjacency and Laplacian Spectra of New Graph Operations Based on Indu-Bala Product of Graphs*, **J. Adv. Math. Stud.** 14 (2021) 362-371. (UGC-Care Listed)
- Bijit Bora, **Bablee Phukan** and Tapan Kumar Baishya: *On Generalized ISI index of the Crystallographic structure of Tin Dioxide*, **Science & Technology Asia** 28(1) (2023) 60-69. (Indexed in SCOPUS)

Chapters in Edited Book

- **Bablee Phukan**: A review on degree-based topological indices and M-polynomial, *Current Topic in Mathematics*. ISBN: 978-93-91064-75-4 (2022) 342-353.
- **Bablee Phukan** and Bijit Bora: Kirchhoff Index as a Robustness Measure: A survey, *Advances in Mathematics Statistics and Computer Science*. ISBN: 978-81-963781-7-2 (2023) 32-43.

Book Authored

- **Bablee Phukan** and Bijit Bora: *Theory of Real Functions*, *Mahaveer Publications*. ISBN: 978-81-974603-7-1 (2024).

Seminar/Conferences (Presented or Participated):

- Presented a paper in the “International Conference on Mathematical Modelling in Applied Sciences”, Organized by Department of Mathematics, Dibrugarh University. 2020.

- Participated in the “International Conference on Recent Trends in Graph Theory”, Organized by the Department of Studies in Mathematics, Karnatak University, 2020.
- Participated in the three days international webinar on “Recent Trends in Pure and Applied Mathematics”, Organized by Department of Mathematics, Raghunathpur College, Raghunathpur, West Bengal, India.
- Participated in the webinar titled “Pi: The King of Constants”, Organized by Gonit Sora, 2020.
- Participated on a “National Webinar on Uncertain Science, Uncertain Mathematics: Uncertain World” Organized by Department of Mathematics D.R. College, Golaghat.

FIP/FDP/PDP

- Participated in the UGC-Approved Short-Term Professional Development Programme under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching organized by IGNOU titled “Implementation of NEP-2020 for University and College Teachers’ from 12-20 June, 2023.
- Participated in the Online Faculty Induction Programme organized by the UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh from 15 November to 19 December 2023.
- Participated in “A Five days FDP on Spectral Theory and Applications in Graph Theory” conducted by Vellore Institute of Technology, Vellore, India from 27 November to 1st December 2023.
- Participated in the Three Days Faculty Improvement Programme on “Climate Change, Biodiversity and Role of Biotechnology” organized by Institutional Level Biotech Hub, Dergaon Kamal Dowerah College, Dergaon from 20-22 March, 2024.
- Participated in “A 5-Day FDP on Artificial Intelligence in Academia: Enhancing Teaching and Research”, organized by IQAC, Joya Gogoi College, Khumtai in collaboration with Dept. of Physics and Dept. of Mathematics from 19-23 November 2024.

(Bablee Phukan)